CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/W.No.14/KRIDL/WMM/Gradation/2016-17 30.12.2016

TEST REPORT ON GRADATION OF WET MIX MACADAM

* Customer	:	**Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of Work	:	Improvements to 1st Main, 6th A Cross and other cross roads at Manjunatha Nagar in Bagalagunte in Ward No.14, T. Dasarahalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/DZ/AEE/TDSD/PR/468/2016-17 Dated: 22.12.2016
Sample ID	:	Wet Mix Macadam
Technical Reference	:	IS 2386 (part-1)1963 (RA-2016)
Date of Testing	:	30.12.2016

Oven Dry Wt (gm): **5000**

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits As per Morth Table 400-11
53	0	0	0	100	100
45	185	185	3.7	96.3	95-100
22.4	1560	1745	34.90	65.10	60-80
11.2	1030	2775	55.50	44.50	40-60
4.75	590	3365	67.30	32.70	25-40
2.36	490	3855	77.10	22.90	15-30
0.600	515	4370	87.40	12.60	8-22
0.075	550	4920	98.40	1.60	0-8

*Information is furnished by the Customer/Representative.

Civil-Tech Consultants & Engineers Bangalore

Note:

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53	0	0	0	100	100
45	130	130	2.6	97.4	95-100
22.4	1605	1735	34.70	65.30	60-80
11.2	1090	2825	56.50	43.50	40-60
4.75	580	3405	68.10	31.90	25-40
2.36	480	3885	77.70	22.30	15-30
0.600	520	4405	88.10	11.90	8-22
0.075	500	4905	98.10	1.90	0-8

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53	0	0	0	100	100
45	185	185	3.7	96.3	95-100
22.4	1495	1680	33.60	66.40	60-80
11.2	1120	2800	56.00	44.00	40-60
4.75	595	3395	67.90	32.10	25-40
2.36	465	3860	77.20	22.80	15-30
0.600	555	4415	88.30	11.70	8-22
0.075	515	4930	98.60	1.40	0-8

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53	0	0	0	100	100
45	175	175	3.5	96.5	95-100
22.4	1555	1730	34.60	65.40	60-80
11.2	1060	2790	55.80	44.20	40-60
4.75	615	3405	68.10	31.90	25-40
2.36	485	3890	77.80	22.20	15-30
0.600	540	4430	88.60	11.40	8-22
0.075	450	4880	97.60	2.40	0-8

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TEST REPORT ON IMPACT VALUE OF AGGREGATE

* Customer	:	**Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of Work	:	Improvements to 1st Main, 6th A Cross and other cross roads at Manjunatha Nagar in Bagalagunte in Ward No.14, T. Dasarahalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/DZ/AEE/TDSD/PR/468/2016-17 Dated: 22.12.2016
* Sample ID	:	Wet Mix Macadam
Technical Reference	:	IS: 2386 Part IV
Date of Testing	:	30.12.2016

Sl No.	Details	Trial No. 1	Trial No. 2	Average
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	389	392	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	88	89	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	301	303	
4	Aggregate Impact value = percent fines 100* (W2/W1)%	22.62	22.70	22.66

*Information is furnished by the Customer/Representative.

Comments:

→ Maximum allowable Aggregate Impact value for Wet Mix Macadam is 30%

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